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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/975,456B

DATE: 09/09/2002
TIME: 09:31:29

Input Set : A:\1478r00.app
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3 <110> APPLICANT: LAZDUNSKI, MICHEL
4 LAMBEAU, GERARD
5 VALENTIN, EMMANUEL
7 <120> TITLE OF INVENTION: NOVEL MAMMALIAN SECRETED GROUP IIF PHOSPHOLIPASE A2
9 <130> FILE REFERENCE: 1478-R-00
11 <140> CURRENT APPLICATION NUMBER: 09/975,456B
C--> 12 <141> CURRENT FILING DATE: 2002-08-27
14 <150> PRIOR APPLICATION NUMBER: 60/239,491
15 <151> PRIOR FILING DATE: 2000-10-11
17 <160> NUMBER OF SEQ ID NOS: 10
19 <170> SOFTWARE: PatentIn version 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 507
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens
26 <220> FEATURE:
27 <221> NAME/KEY: CDS
28 <222> LOCATION: (1)..(507)
29 <223> OTHER INFORMATION: cDNA encoding human group IIF secreted phospholipase A2
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33 Met Lys Lys Phe Phe Thr Val Ala Ile Leu Ala Gly Ser Val Leu Ser
34 1 5 10 15
36 aca gct cac ggc agc ctg ctc aac ctg aag gcc atg gtg gag gcc gtc 96
37 Thr Ala His Gly Ser Leu Leu Asn Leu Lys Ala Met Val Glu Ala Val
38 20 25 30
40 aca ggg agg agc gcc atc ctg tcc ttc gtg ggc tac ggt tgc tac tgt 144
41 Thr Gly Arg Ser Ala Ile Leu Ser Phe Val Gly Tyr Gly Cys Tyr Cys
42 35 40 45
44 ggg ctg ggg ggc cgt ggc cag ccc aag gat gag gtg gac tgg tgc tgc 192
45 Gly Leu Gly Gly Arg Gly Gln Pro Lys Asp Glu Val Asp Trp Cys Cys
46 50 55 60
48 cac gcc cac gac tgc tac cag gaa ctc ttt gac caa ggc tgt cac 240
49 His Ala His Asp Cys Cys Tyr Gln Glu Leu Phe Asp Gln Gly Cys His
50 65 70 75 80
52 ccc tat gtg gac cac tat gat cac acc atc gag aac aac act gag ata 288
53 Pro Tyr Val Asp His Tyr Asp His Thr Ile Glu Asn Asn Thr Glu Ile
54 85 90 95
56 gtc tgc agt gac ctc aac aag aca gag tgt gac aag cag aca tgc atg 336
57 Val Cys Ser Asp Leu Asn Lys Thr Glu Cys Asp Lys Gln Thr Cys Met
58 100 105 110
60 tgt gac aag aac atg gtt ctg tgc ctc atg aac cag acg tac cga gag 384
61 Cys Asp Lys Asn Met Val Leu Cys Leu Met Asn Gln Thr Tyr Arg Glu

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62	115	120	125	
64	gag tac cgt ggc ttc ctc aat gtc tac tgc cag ggc ccc acg ccc aac			432
65	Glu Tyr Arg Gly Phe Leu Asn Val Tyr Cys Gln Gly Pro Thr Pro Asn			
66	130	135	140	
68	tgc agc atc tat gaa ccg ccc cct gag gag gtc acc tgc agt cac caa			480
69	Cys Ser Ile Tyr Glu Pro Pro Pro Glu Glu Val Thr Cys Ser His Gln			
70	145	150	155	160
72	tcc cca gcg ccc ccc gcc cct ccc tag			507
73	Ser Pro Ala Pro Pro Ala Pro Pro			
74	165			
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78	<211> LENGTH: 168			
79	<212> TYPE: PRT			
80	<213> ORGANISM: Homo sapiens			
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84	1	5	10	15
86	Thr Ala His Gly Ser Leu Leu Asn Leu Lys Ala Met Val Glu Ala Val			
87	20	25	30	
89	Thr Gly Arg Ser Ala Ile Leu Ser Phe Val Gly Tyr Gly Cys Tyr Cys			
90	35	40	45	
92	Gly Leu Gly Gly Arg Gly Gln Pro Lys Asp Glu Val Asp Trp Cys Cys			
93	50	55	60	
95	His Ala His Asp Cys Cys Tyr Gln Glu Leu Phe Asp Gln Gly Cys His			
96	65	70	75	80
98	Pro Tyr Val Asp His Tyr Asp His Thr Ile Glu Asn Asn Thr Glu Ile			
99	85	90	95	
101	Val Cys Ser Asp Leu Asn Lys Thr Glu Cys Asp Lys Gln Thr Cys Met			
102	100	105	110	
104	Cys Asp Lys Asn Met Val Leu Cys Leu Met Asn Gln Thr Tyr Arg Glu			
105	115	120	125	
107	Glu Tyr Arg Gly Phe Leu Asn Val Tyr Cys Gln Gly Pro Thr Pro Asn			
109	130	135	140	
111	Cys Ser Ile Tyr Glu Pro Pro Glu Glu Val Thr Cys Ser His Gln			
112	145	150	155	160
114	Ser Pro Ala Pro Pro Ala Pro Pro			
115	165			
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119	<211> LENGTH: 25			
120	<212> TYPE: DNA			
121	<213> ORGANISM: Artificial Sequence			
123	<220> FEATURE:			
124	<223> OTHER INFORMATION: Description of Artificial Sequence: Primer			
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130	<210> SEQ ID NO: 4			
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132	<212> TYPE: DNA			
133	<213> ORGANISM: Artificial Sequence			

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135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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143 <211> LENGTH: 148
144 <212> TYPE: PRT
145 <213> ORGANISM: Homo sapiens
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151 Ser Gly Ile Ser Pro Arg Ala Val Trp Gln Phe Arg Lys Met Ile Lys
152 20 25 30
154 Cys Val Ile Pro Gly Ser Asp Pro Phe Leu Glu Tyr Asn Asn Tyr Gly
155 35 40 45
157 Cys Tyr Cys Gly Leu Gly Gly Ser Gly Thr Pro Val Asp Glu Leu Asp
158 50 55 60
160 Lys Cys Cys Gln Thr His Asp Asn Cys Tyr Asp Gln Ala Lys Lys Leu
161 65 70 75 80
163 Asp Ser Cys Lys Phe Leu Leu Asp Asn Pro Tyr Thr His Thr Tyr Ser
164 85 90 95
166 Tyr Ser Cys Ser Gly Ser Ala Ile Thr Cys Ser Ser Lys Asn Lys Glu
167 100 105 110
169 Cys Glu Ala Phe Ile Cys Asn Cys Asp Arg Asn Ala Ala Ile Cys Phe
170 115 120 125
172 Ser Lys Ala Pro Tyr Asn Lys Ala His Lys Asn Leu Asp Thr Lys Lys
173 130 135 140
175 Tyr Cys Gln Ser
176 145
179 <210> SEQ ID NO: 6
180 <211> LENGTH: 144
181 <212> TYPE: PRT
182 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 6
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186 1 5 10 15
188 Gln Ala His Gly Asn Leu Val Asn Phe His Arg Met Ile Lys Leu Thr
189 20 25 30
191 Thr Gly Lys Glu Ala Ala Leu Ser Tyr Gly Phe Tyr Gly Cys His Cys
192 35 40 45
194 Gly Val Gly Gly Arg Gly Ser Pro Lys Asp Ala Thr Asp Arg Cys Cys
195 50 55 60
197 Val Thr His Asp Cys Cys Tyr Lys Arg Leu Glu Lys Arg Gly Cys Gly
198 65 70 75 80
200 Thr Lys Phe Leu Ser Tyr Lys Phe Ser Asn Ser Gly Ser Arg Ile Thr
201 85 90 95
203 Cys Ala Lys Gln Asp Ser Cys Arg Ser Gln Leu Cys Glu Cys Asp Lys
204 100 105 110
206 Ala Ala Ala Thr Cys Phe Ala Arg Asn Lys Thr Thr Tyr Asn Lys Lys

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207 115 120 125
209 Tyr Gln Tyr Tyr Ser Asn Lys His Cys Arg Gly Ser Thr Pro Arg Cys
210 130 135 140
213 <210> SEQ ID NO: 7
214 <211> LENGTH: 145
215 <212> TYPE: PRT
216 <213> ORGANISM: Homo sapiens
218 <400> SEQUENCE: 7
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220 1 5 10 15
222 Pro Ile Gln Gly Gly Ile Leu Asn Leu Asn Lys Met Val Lys Gln Val
223 20 25 30
225 Thr Gly Lys Met Pro Ile Leu Ser Tyr Trp Pro Tyr Gly Cys His Cys
226 35 40 45
228 Gly Leu Gly Gly Arg Gly Gln Pro Lys Asp Ala Thr Asp Trp Cys Cys
229 50 55 60
231 Gln Thr His Asp Cys Cys Tyr Asp His Leu Lys Thr Gln Gly Cys Ser
232 65 70 75 80
234 Ile Tyr Lys Asp Tyr Tyr Arg Tyr Asn Phe Ser Gln Gly Asn Ile His
235 85 90 95
237 Cys Ser Asp Lys Gly Ser Trp Cys Glu Gln Gln Leu Cys Ala Cys Asp
238 100 105 110
240 Lys Glu Val Ala Phe Cys Leu Lys Arg Asn Leu Asp Thr Tyr Gln Lys
241 115 120 125
243 Arg Leu Arg Phe Tyr Trp Arg Pro His Cys Arg Gly Gln Thr Pro Gly
244 130 135 140
246 Cys
247 145
250 <210> SEQ ID NO: 8
251 <211> LENGTH: 154
252 <212> TYPE: PRT
253 <213> ORGANISM: Homo sapiens
255 <400> SEQUENCE: 8
256 Met Leu Leu Val His Leu Pro Ser Pro Gln Pro Gly Met Lys Ser Pro
257 1 5 10 15
259 His Val Leu Val Phe Leu Cys Leu Leu Val Ala Leu Val Thr Gly Asn
260 20 25 30
262 Leu Val Gln Phe Gly Val Met Ile Glu Lys Met Thr Gly Lys Ser Ala
263 35 40 45
265 Leu Gln Tyr Asn Asp Tyr Gly Cys Tyr Cys Gly Ile Gly Gly Ser His
266 50 55 60
268 Trp Pro Val Asp Gln Thr Asp Trp Cys Cys His Ala His Asp Cys Cys
269 65 70 75 80
271 Tyr Gly Arg Leu Glu Lys Leu Gly Cys Glu Pro Lys Leu Glu Lys Tyr
272 85 90 95
274 Leu Phe Ser Val Ser Glu Arg Gly Ile Phe Cys Ala Gly Arg Thr Thr
275 100 105 110
277 Cys Gln Arg Leu Thr Cys Glu Cys Asp Lys Arg Ala Ala Leu Cys Phe
278 115 120 125

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280 Arg Arg Asn Leu Gly Thr Tyr Asn Arg Lys Tyr Ala His Tyr Pro Asn
281 130 135 140
283 Lys Leu Cys Thr Gly Pro Thr Pro Pro Cys
284 145 150
287 <210> SEQ ID NO: 9
288 <211> LENGTH: 138
289 <212> TYPE: PRT
290 <213> ORGANISM: Homo sapiens
292 <400> SEQUENCE: 9
293 Met Lys Gly Leu Leu Pro Leu Ala Trp Phe Leu Ala Cys Ser Val Pro
294 1 5 10 15
296 Ala Val Gln Gly Gly Leu Leu Asp Leu Lys Ser Met Ile Glu Lys Val
297 20 25 30
299 Thr Gly Lys Asn Ala Leu Thr Asn Tyr Gly Phe Tyr Gly Cys Tyr Cys
300 35 40 45
302 Gly Trp Gly Gly Arg Gly Thr Pro Lys Asp Gly Thr Asp Trp Cys Cys
303 50 55 60
305 Trp Ala His Asp His Cys Tyr Gly Arg Leu Glu Glu Lys Gly Cys Asn
306 65 70 75 80
308 Ile Arg Thr Gln Ser Tyr Lys Tyr Arg Phe Ala Trp Gly Val Val Thr
309 85 90 95
311 Cys Glu Pro Gly Pro Phe Cys His Val Asn Leu Cys Ala Cys Asp Arg
312 100 105 110
314 Lys Leu Val Tyr Cys Leu Lys Arg Asn Leu Arg Ser Tyr Asn Pro Gln
315 115 120 125
317 Tyr Gln Tyr Phe Pro Asn Ile Leu Cys Ser
318 130 135
321 <210> SEQ ID NO: 10
322 <211> LENGTH: 155
323 <212> TYPE: PRT
324 <213> ORGANISM: Homo sapiens
326 <400> SEQUENCE: 10
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328 1 5 10 15
330 Gly Pro Gly Ser Gly Glu Ala Ser Arg Ile Leu Arg Val His Arg Arg
331 20 25 30
333 Gly Ile Leu Glu Leu Ala Gly Thr Val Gly Cys Val Gly Pro Arg Thr
334 35 40 45
336 Pro Ile Ala Tyr Met Lys Tyr Gly Cys Phe Cys Gly Leu Gly Gly His
337 50 55 60
339 Gly Gln Pro Arg Asp Ala Ile Asp Trp Cys Cys His Gly His Asp Cys
340 65 70 75 80
342 Cys Tyr Thr Arg Ala Glu Glu Ala Gly Cys Ser Pro Lys Thr Glu Arg
343 85 90 95
345 Tyr Ser Trp Gln Cys Val Asn Gln Ser Val Leu Cys Gly Pro Ala Glu
346 100 105 110
348 Asn Lys Cys Gln Glu Leu Leu Cys Lys Cys Asp Gln Glu Ile Ala Asn
349 115 120 125
351 Cys Leu Ala Gln Thr Glu Tyr Asn Leu Lys Tyr Leu Phe Tyr Pro Gln

VERIFICATION SUMMARY

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